Claims

1. A scrubber for eliminating a component from air flowing through the scrubber, comprising a housing (1) having at least one inlet hole (2) and an outlet hole (4) and which is comprising filtering material (6), characterised in that a second outlet hole (9) is provided in the housing (1) at a position situated at a distance from the first outlet hole (4) and any inlet hole (2) so that the air leaving the second outlet hole (9) will have passed at least through a depth of the filtering material (6) substantially corresponding to the depth of the filtering material (6) for the air flowing from the inlet hole (2) to the first outlet hole (4).

2. A scrubber according to claim 1, wherein the second outlet hole (9) is intended for a smaller throughput of air than the first outlet hole (4).

3. A scrubber according to claim 1, wherein several inlet holes (2) are provided in the housing (1) in an end side (3) opposite an end side (5) comprising the first outlet hole (4).

4. A scrubber according to claim 1, wherein the second outlet hole (9) is provided at the wall (8) of the housing (1) between the two end sides (3, 5).

5. A scrubber according to claim 1, wherein no inlet holes are present in the end side (5) comprising the first outlet hole (4) in the vicinity of the second outlet hole (9) so that the air will flow at least through a depth of

the filtering material substantially corresponding to the depth of the filtering material (6) for the air flowing through the first outlet hole (4).

6. A scrubber according to claim 1, wherein a non-return valve (11) is provided in the first outlet hole (4).

7. A scrubber according to claim 1, wherein the scrubber is provided for filtering NO.

8. A scrubber according to claim 7, wherein the filter material (6) is potassium permanganate $KMnO_4$ or potassium permanganate in combination with a suitable grade of carbon.

9. A scrubber according to claim 7, wherein the scrubber eliminates NO to a level less than 5 ppb.

10. A scrubber according to claim 1, wherein a particle filter (7) is provided inside the housing (1) at least at the inlet holes (2) and at the first and second outlet holes (4, 9) in order to stop the filter material (6) to escape from the scrubber.

11. A scrubber according to claim 1, wherein the flow rate through the first outlet hole (4) is about 1-10 l/s and the flow rate through the second outlet hole (9) is about 0,5-50 ml/s.

12. A scrubber according to claim 1, wherein the size of the particles of the filtering material is in the range of 1/8-1/128 of an inch and preferably 1/32-1/64 of an inch.